

THE TECH



THANKSGIVING

THE TECH

JACKSON & CO.

Hatters and Furriers...

Sole Agents in Boston for the celebrated...

UNLAP & CO.'S NEW YORK HATS.

Also, a full line of our own styles.

Canes, Silk Umbrellas,  
... and Opera Hats.

126 TREMONT STREET, Opposite Park Street Church,

WILLIAM H. HOLLOWAY.

BOSTON.

OAK GROVE CREAMERY COMPANY,  
DAIRY LUNCH ROOM,

5 BOYLSTON STREET, COR. BERKELEY, opp. Y. M. C. A. Building,

Where can be had Sandwiches of all kinds, Soups, Tea, Coffee, and regular Dairy Lunch.

**EVERYTHING FIRST CLASS.**

re, Fresh-churned Butter, in Quarter-pound Prints, 5 and 10 Pound Boxes. Pure, Fresh  
Milk and Cream, delivered in Glass Jars. Fresh-laid Eggs. Pure, Full Cream Cheese,  
American (plain), Sage, Neufchatel and Edam. All kinds of Fruit Ices.

**NELSON L. MARTIN.**

Standard  
Clothing Co.

LARGEST  
MANUFACTURERS OF CLOTHING  
IN AMERICA.

sell direct to the consumer at from  
25 to 40 per cent less than the reg-  
ular retailers.

395 WASHINGTON STREET,  
BOSTON.

DISCOUNT TO MEMBERS OF THE CO-OPERATIVE SOCIETY.

HIBBARD & MASON

(INCORPORATED)

Tailors,

MUSIC HALL PLACE,

Telephone 579.

OFF WINTER STREET,

BOSTON.

DRESS SUITS, SILK LINED, TO ORDER, \$45.

Dress Suits to let.

**BOAS, the Tailor,**

244 Massachusetts Ave.

FINE CUSTOM TAILORING.

Repairing in all its branches neatly and promptly attended to. Special prices to Tech Students.

ESTABLISHED 1843.

INCORPORATED 1895.

**"STUDENTS," ATTENTION!**

Largest Stock and Lowest  
Prices on

**MATHEMATICAL INSTRUMENTS**

and Drawing Materials of all kinds.  
Picture Framing a Specialty.

**FROST & ADAMS COMPANY,**

Importers and Wholesale Dealers,

"Special Rates to Colleges,"  
New Illustrated Catalogue Free.

37 Cornhill, Boston.

**Stirring Bargains**

IN FINE AND MEDIUM CLOTHING.

**WHY?**

BECAUSE we have been able to purchase for spot cash a large lot of the most desirable and seasonable fabrics from overstocked mills at a great reduction in price. BECAUSE of our superior manufacturing facilities, we have been able to work these fabrics into clothing, in large lots, at a great saving in cost.

**STUPENDOUS PRICE-CUTTING**

That has no parallel in the history of the  
clothing trade of New England.

**Young Men's Suits and Overcoats**

That fairly bristle with style, and fully equal  
to custom-made suits or overcoats.

**\$6.00, \$7.50, \$8.50, and Up to \$16.50.**

All the newest fabrics, including the latest BLUE WIDE WALE SERGE in Suits. Uniforms to order. We guarantee the lowest prices.

**SPITZ BROS. & MORK,**

67 &amp; 69 Summer Street,

One Minute's Walk from Washington St.  
Sign of the Illuminated Clock.

**BOWLING ALLEYS** IN

The Allen Gymnasium.

Entrance: 22 Garrison Street.

Six finely equipped modern alleys, offering an excellent opportunity to Tech. men for team bowling, or by the string. A string or two before dinner gives relief from mental work, leaving the brain clearer for evening study, and will be found a good digester.

M. E. ALLEN.

**SPECIAL NOTICE.**

Pressing,  
Repairing and  
Cleaning.

Special prices to Students.

Also a full line of Fall and Winter Samples on hand.

Note the Address:

**H. R. DOBSON,**

514 COLUMBUS AVE., BOSTON.

**Columbia Tailoring Rooms,**

I. SHEINWALD, Manager.

Ladies' and Gents' Fine Tailoring.

**Dress Suits To Let.**

Fancy Dyeing and Cleansing.

Goods called for and delivered free.

597 1/2 TREMONT ST., BOSTON.

**ALBERT BENARI, Tobacconist,**

33 TREMONT STREET, BOSTON, MASS.

Agent for the Bohemian Mixture.

FINE LINE OF FRENCH BRIAR PIPES  
ALWAYS ON HAND.

**S. SIMONS.**

We carry Shoes made by all the leading  
manufacturers. Lowest Prices. Repairing  
neatly done.

46 Charles St., Boston, Mass.

**PANELLA & CORREALE,**  
Shoemakers. Shoes Shined.

Price List for Repairs: Gents, taps, handsewed, \$1.00; taps, nailed, 75c.; heels, 20c.

469 Columbus Ave.

**DR. EDWARD J. PALMER,**  
DENTIST,

120 Tremont Street, Boston.

Opposite Park St., Subway.

**CALL AND SEE US**  
FOR YOUR  
**MEN'S FURNISHINGS.**  
Newest Styles. Lowest Prices.

**A. COHEN,**  
329 Columbus Avenue, near Dartmouth Street.

Agency for Cambridge Laundry.  
Laundry called for and delivered.

**Shoes**

ALL THE POPULAR SHAPES  
FOR YOUNG MEN IN



Black,  
Tan and  
Patent  
Leather.

OVERSHOES OF ALL KINDS.

Prices Reasonable.

Discount to Students of Technology.

**T. E. Moseley & Co.,**  
469 WASHINGTON STREET.

**CARL J. HORNER,**



The  
**Photographer**

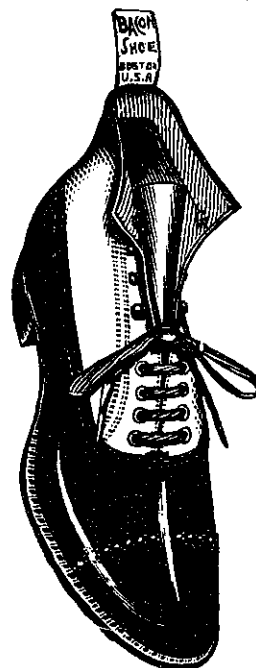
11 Winter Street, Boston.

Elevator to Studio.

**Highest Grade Work**  
**at Moderate Prices.**

Special Rates to  
Tech Students.

Senior Class Photographer to Wellesley College; Tufts College; Boston University; Andover Seminary; Mass. College of Pharmacy; Boston Dental College; Boston English High School; and many other schools and Colleges.



**The**  
**Bacon**  
**Shoe**

Style, usefulness and durability—the three are combined in one in the Patent Leather Bacon Shoe on Bull Dog last. And, too, the Patent Leather

**Won't Crack.**

We prove this fact in the only honest way—a new pair if it does. A printed guarantee goes with every pair we sell. Economical students can save money by buying the "Bacon Shoe."

**F. V. Chipman & Co.,** \$ **4.**  
290 Washington St.  
83 Bedford St.

## Massachusetts Cafe.

ORDER COOKING AT ALL HOURS.

Fine line of Confectionery.

Hampden Fruit-Flavored Ice Cream.  
Fruit of all kinds.

Choice Line of Cigars.

Open from 7 A. M. till 12 P. M.

**G. MUGAR & COMPANY,**

No. 587 Massachusetts Avenue, cor. Shawmut.

**A. S. ADAMS,**

Maker of the Official

M. I. T. PIN.

No. 8 WINTER ST., BOSTON.



The only Jeweler in the M. I. T. Co-Op. Catalogue.

Members wearing this Pin will be allowed 10 per cent discount on all purchases.

**VAUGHN'S POPULAR CANDY STORE,**

29 Tremont Street, opp. Museum.

Fine Home-made Candies a specialty. Popular prices.

## STUDENTS' SUPPLIES.

Writing Paper and Envelopes with TECH. Monogram and Imprint.

**PERIODICALS AND MAGAZINES.**

**LAUNDRY AGENCY.** Superior quality of Work. We call for and deliver goods.

**SOUTHWELL'S,**

Corner Dartmouth Street and Columbus Avenue.

## St. Botolph Hall Cafe,

38 ST. BOTOLPH ST.

Weekly Board . . . . \$6.00.

21 Meals Ticket . . . \$7.00.

SINGLE MEALS  
AT REASONABLE RATES.

Everything first-class.

The patronage of Students of the Institute  
is respectfully solicited.

**M. DWYER.**

The...

## Continental Clothing House

WASHINGTON and BOYLSTON STREETS.

...

OVERCOATS, SUITS,

TROUSERS . . . . .

FURNISHING GOODS, HATS and CAPS.

...

Largest Assortments at Lowest  
Prices . . . .

## GYMNASIUM

Physical Training.  
Keep in condition by using our  
Gymnasium.

**Boston Young Men's Christian Association,**

Boylston and Berkeley Streets.

Terms for Non-Resident Students, \$8.00 for College Year.  
**FULL TERMS, \$10.00 per year.** Including all other privileges of the Association.

**MEDICAL SUPERVISION.**

Fine Apparatus; Convenient Lockers; Frequent Classes; Free Instruction; Shower, Sponge, Spray, and Steam Baths; Running Track (raised corners). Open 9 A. M. to 10 P. M. Massage Department (services reasonable).

**ROBERT J. ROBERTS, Sr., Director.**

**GEO. L. MEYLAN, M.D., Medical and Physical Director.**

**N. E. SANDERS, A.B., Assistant Physical Director.**

**GEORGE W. MEHAFFEY, General Secretary.**





**THE F. FLETCHER CO.**  
**COLLEGE OUTFITTERS**  
**158 BOYLSTON ST.**  
**BOSTON MASS.**

Very Best  
**LAUNDRY WORK.**  
 Called for and delivered.

\*—M. I. T. Discount—\*

## Shirts to Measure

Our Specialty.

ALWAYS ON HAND:

**DRESS SHIRTS, COLLARS and CUFFS.**

Newest Effects in

**Neckwear, Gloves, Hosiery, Pajamas.**

SPECIAL LINES OF

**Underwear, Golf Hose, Umbrellas and Mackintoshes.**

**J. & W. Brooks & Co.**  
**Importing Tailors**  
**15 MILK STREET.**  
 OPPOSITE OLD SOUTH CHURCH.

LONDON OFFICE, 6 SAVILE ROW

**THE LARGEST ASSORTMENT OF FOREIGN WOOLLENS SHOWN IN BOSTON**

CO-OPERATIVE.

# THE TECH

VOL. XVIII.

BOSTON, NOVEMBER 17, 1898.

NO. 7

## THE TECH

Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

MORGAN BARNEY, 1900, *Editor in Chief*.

STANLEY G. H. FITCH, 1900, *Assistant Editor in Chief*.

PAUL RAYMOND BROOKS, 1900, *Secretary*.

CLARENCE RENSHAW, '99.

GUY PRENTISS BURCH, '99.

BERTRAM W. B. GREENE, 1900.

PHILIP COOMBS PEARSON, '01.

ELLIS FULLER LAWRENCE, '01.

P. Y. DUNWOODY, '01.

EDWARD B. COOKE, 1901, *Business Manager*.

THEODORE W. BRIGHAM, 1900, *Assistant Business Manager*.

A. E. LOMBARD, 1902, *Assistant Business Manager*.

### OFFICE HOURS:

Editor in Chief,

Saturday, 12-1 P.M.

Howe cometh for our beste employe,  
Fulle soon withinne our kenne,  
Ye daye of gastronomic joye  
For alle, both maides and menne.  
Then lette eache one bys neighbor vye,  
And bys fulle dutie doe  
By turkie, cranberrie=sauce, and pye,  
And eke ye cyder too.



THANKSGIVING, the season of turkeys and family reunions, is upon us, and we look forward with the keenest zest to this first break in our routine of work. At Technology, where vacations are few and short, we anticipate our three days' recess with a relish

and an appreciation which is one of the rewards of hard and conscientious work.

Our first term is nearly half over; we have all made substantial progress in our chosen work. The Freshman has lost much of his "prep school" air; the novelty of his new surroundings is beginning to wear off. The Sophomore gradually begins to realize, after a few "calls down" from the upper classmen, that he isn't the only man in college; the Junior has become more or less accustomed to tall hat and frock; the Senior begins to realize that soon he will be no longer a college man, but must take other responsibilities upon his own shoulders. In short, Thanksgiving marks the first period in the yearly metamorphosis of college life.

Those of us who live within a moderate distance of Boston may enjoy a Thanksgiving dinner at home; others not so fortunate will find a cordial reception at the Technology Club. But wherever our readers may be, THE TECH wishes them an abundance of good turkey, served with that best of relish, good fellowship, without which the choicest viands lose their most valued accompaniment.



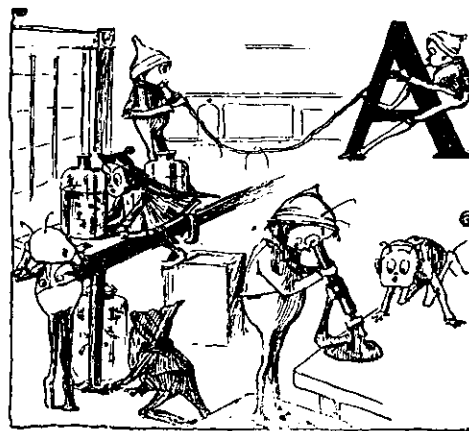
THE interest in the coming contests, which finally decide the question of superiority between the Sophomore and the Freshman

Classes, is rapidly reaching a point of maximum intensity. In the football game the teams will be so evenly matched that, at the time of going to press, we are hardly able to pick the winner. The Sophomore team suffers from lack of training early in the season, but a considerable amount of latent class spirit has now come to the surface, and practice

has been more regular of late. The line is strong, but the backs are slow in starting with the ball. The team has lost several men, who are out with the 'varsity squad. The Freshman line is strong at the center and guards, weak at tackles, and has not developed reliable end men. The backs start quickly, but are never quite sure of the ball, and fumbles are frequent. In weight the teams are about even. Altogether, 1901 has a little the better chance of getting the game. The Cane-rush, however, affords the best test of the classes, and judging by the preliminary exhibition of two weeks ago in Rogers Building, this event will be closely contested next Tuesday, when the Freshmen hope to retrieve their previous defeat, and the loss of their class constitution. The gate receipts from the Rush go to the M. I. T. Football Association, and the upper-class men should be present, even if they have no other object than that of helping the 'varsity team close its season free from debt.



THE action of the Class of '02 in passing unanimously a resolution not to take part in any future rush within the Institute premises was certainly very commendable. It was not less commendable because this Class was on the defensive in the rush of October 31st. The limits to which the rush was carried by both classes demanded a guarantee against further occurrences of the sort. The men who were unfortunate enough to be singled out from the mass, and to be put on probation, are now, by the action of the Faculty, placed in the position of regular members of the Institute. It is very gratifying to see the attitude of the Freshmen on this subject, and to know that their resolution has been sent to President Crafts as a pledge of the earnestness of their action.



At present, when such general interest seems to center in the new reading room, the "Architectural center of Technology," one sometimes wonders where the literary center of the Institute is supposed to be located. If it is in the new library, we are able to deduce a proposition, the proof of which is at least gratifying to the editors of THE TECH. This happy conclusion is arrived at somewhat after this manner,—good literature is fittingly placed in a library. Doubtless it was through an appreciation of this that our Corporation saw fit to bestow on us a room where such a collection could be made. The new library has now been open for some time, but up to this week we were unable to discover that its contents comprised much besides several copies of THE TECH and a few reference books. Now, when we note that the last mentioned volumes remained in undisturbed repose on their shelves, although the library was frequented daily by a large number of readers, we have demonstrated that the merits of THE TECH are recognized both by our librarian and by the patrons of the library. But to speak seriously, we have had sufficient time in which to enjoy the many points of beauty through which the room itself appeals to everyone, and the introduction of a few books this week is a late, but not less welcome, move on the part of Dr. Bigelow.

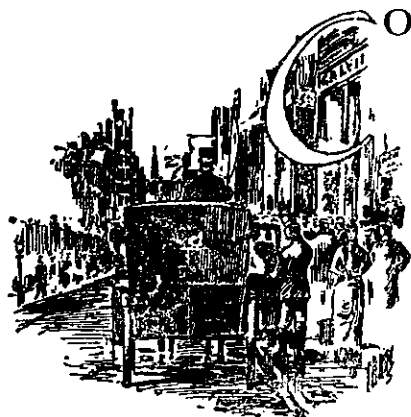
#### BOTTOM FACTS.

The cost of ammunition  
For those war-ships heavy-gunned,  
Has for Uncle Sam, it seems,  
Made quite a "sinking fund."

—The Unit.



## A Perfect Stranger.



CONFOUND it all, how shall I ever know the woman?" Harrison Parker muttered to himself, glancing at the big station clock. "And that train is half an hour late now." He stamped up and down the platform impatiently, trying to keep warm. Outside, the streets were filled with driving sleet and melting slush, so his clothes were soaking wet. A little stream dripped from his umbrella, and left a wet track behind him as he walked.

"Nice night, nice business George has got me into," he grumbled; "I wonder if he did give me any signs for identifying the creature." He pulled out a very damp letter, and ran his eye over it hurriedly by the unsteady glare shed by an arc light up near the roof.

"DEAR HARRISON: I am in an awful hole, and hope you will help me out. My great-aunt, Miss Sarah Dawson, wired me this P. M. to meet her this evening."—Then followed the particulars about the train.—"She's coming to spend Thanksgiving with us. Have a bad sore throat, and can't go out; father away, mother ill. Somebody must meet her; she has never been here before, and might get lost, if left alone. I will do as much for you some time. Yours,

GEORGE CAREY."

Parker scowled. However, just at that moment the train, now three quarters of an hour overdue, rolled slowly down the track. The passengers began to pour out, and mix and move together so that it would have been hard to find a friend, but to find a perfect stranger! Parker was naturally shy, and that fact added another misery to the situation. Still it was too late to back out now.

He advanced with an expression of fierce determination to look for a possible "Aunt Sarah."

A tall, gaunt woman, dressed severely in black, was descending onto the carpet-covered footstool below the step of a parlor car. The porter stood behind her holding a squawking parrot and a fat pug dog.

"Homely old maid, with animals, looks likely," thought Harrison. The lady, having reached the ground safely, took her pets and began to start for the exit. Parker stepped up in front of her, took off his hat, relieved her of the bird, and remarked in a confident tone, "Miss Dawson, I believe. Of course you don't know me"—

"No, I don't know you, and I don't want to," she snapped, glaring fiercely at him through enormous spectacles. She grabbed the cage and walked on with dignity.

"By Jove! I hope they won't all be like that," the now unhappy young man thought to himself.

A little to one side of the pushing throng, he noticed a short, stout woman, with a timid, worried look, holding tightly a small bag with a silver "D" on the side. She seemed to be expecting some one to meet her. Parker felt relieved. He determined to be more gentle and careful in his mode of address this time, so he approached the woman slowly, and murmured sweetly, "Your nephew was not able to come this evening, so I came in his place to meet you."

She gave a terrified start, "Oh! no, no," she gasped, "go away, go away, please do. Oh! why doesn't my husband come?" and her voice broke in a despairing sob.

The unfortunate Parker felt an unholy longing to see his friend Carey. He noticed that the stream of people had thinned and in a few minutes would be gone. Very likely Miss Dawson had already departed on her way. Parker jumped at this idea joyously. Perhaps he had escaped after all; but fate was against him.

A heavy hand was laid on his shoulder, and he was pulled quickly round.

"See here, young feller, yez take them things, and come out of this right away," exclaimed a loud voice with a marked Cork brogue. He turned to look into the face of an Amazon of uncertain age, with high cheek bones and horse-like teeth, who was thrusting two huge bundles upon him. Her head was adorned with a marvelous imitation of a picture hat which shrieked aloud in its combination of colors. Parker stared at this apparition in dumb astonishment, letting the bundles slip to the ground.

"Well," she said in displeasure, "don't yez know how to trate a lady? Be yez goin' to kape me standing here all noiht?"

Harrison turned suddenly cold. He had never heard George talk much about his family; perhaps this was the explanation. He wondered vaguely if all Carey's people were like this.

"Miss Dawson?" he stammered.

"Me name is Miss Mary MacSweeney, and I'm the lady as is coming to be help for a woman by name of Wright. Be yez the feller as was sint to meet me?"

"No, I am looking for someone else," he said, overwhelmed by the suddenness of his relief. Still he did not seem to be any nearer to the object of his search. The stout woman had found her husband and had moved away, the platform appeared deserted, and he determined to give up the struggle.

As he passed through the open gate he heard a little shriek, and a girl bumped against him, as she sprang aside to avoid being run down by a heavily laden truck.

"I beg your pardon," she said, and he saw that she was young and very pretty.

"I hope that thing didn't hurt you," Parker exclaimed anxiously.

"Oh! no, thank you, not at all. But would it be too much trouble,—that is, can you tell me what to do with this?" she asked, holding up a trunk check. "You see, I'm

not used to traveling alone, and the person who was to meet me hasn't come."

"Then if you will allow me to assist you, I will see to your trunk and get you a cab."

"Thank you, very, very much," she answered, and she smiled. Parker began to feel more kindly disposed towards Carey. This was an improvement on meeting another man's maiden aunt.

"If you're going to stay with friends," he said, "perhaps you would prefer to take the trunk on the back of the carriage with you."

"Yes; I'm to visit relations, and I want to be sure to have the trunk to-night."

When the trunk appeared Parker looked slightly disgusted. Why need these people be in such a hurry? Then he started. "Great Scott!" he cried; for on the end of the trunk, painted in red letters, he read the name of "Sarah Dawson."

"Why, it's impossible!" he exclaimed; "there must be a mistake."

"What is the matter?" she asked.

"This is not your trunk; they have taken the wrong one."

She looked surprised, then offended.

"Why, of course that's mine; why not?"

"You must pardon my mistake," he said, humbly, "but if you are Miss Sarah Dawson you must be George Carey's great-aunt. I thought that you couldn't possibly be old enough, but if you are, George sent me to meet you, because he has a sore throat and can't go out."

The girl stared at him in perplexity; she was wondering whether this young man was quite in his senses. This direct gaze was very disconcerting to the shy Parker. He put his hand in his pocket and pulled out the note.

"You see it's all right," he said, miserably, "and you know that I couldn't possibly recognize a lady that I had never seen." He felt like a fool and was quite sure that he looked one.

As the girl glanced at the paper, her face

began to twist into queer contortions, she gasped once or twice, and then burst out laughing long and heartily. In a moment Parker had joined in too, and together there on the sidewalk, with the driver looking on in stupid amazement, they laughed until the tears came into their eyes. At last they stopped for breath. "I am Miss Dawson," she said, "I forgive you."

"Then would you be kind enough to let me drive over to the Carey's with you?" he asked. "You see I want George to know that I carried out his instructions."

"I don't object," she answered, her voice still unsteady from laughter, "because, as George says, I might get lost if left alone."

As they drove along she got the whole story from him, and they laughed again as heartily as before.

"And to think that you did not meet George's great-aunt after all," she said.

"But you —" he began, more puzzled than ever.

"Miss Dawson is my great-aunt, too; I was named after her. I am George's cousin. I suppose he thought the telegram was from her. Won't he be surprised? Now I think you might tell me your name."

"Harrison Parker."

"Now we are introduced," she said. "Mr. Parker, I am very glad to meet you."

"And now that we are introduced, you will let me call on you, won't you?"

"On George's great-aunt?"

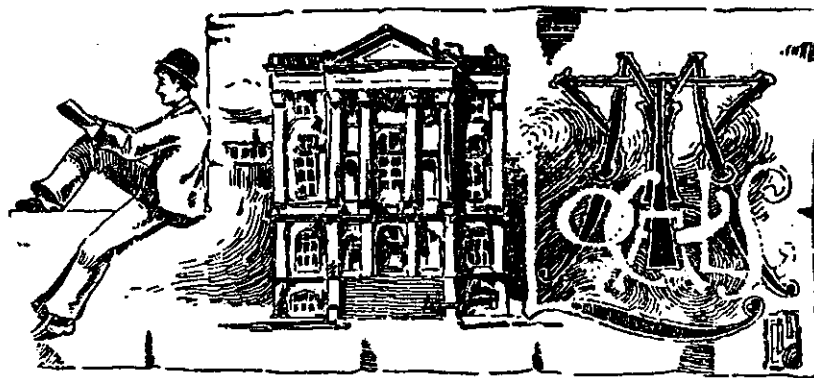
"No; on George's cousin."

"Yes, you may; because you see I think you were very good to go down there to meet Aunt Sarah."

"And in this case, as they say in the Sunday-school tales," he said, "'Virtue is its own reward.'"

C. J. C.

With the Preps he was always a Nero,  
With the girls he was a regular hero;  
When it came to exam  
He was meek as a lamb,  
And humbly went home with a o.—*Yale Record*.



We are sorry to announce the resignation of Mr. Gerald Martin Richmond from the staff of THE TECH.

R. B. Clark, President of the Sophomore Class, has left the Institute to accept a position at the Newport News Navy Yard.

A concert by the Glee, Banjo, and Mandolin Clubs for December 29th, at Gloucester, has been arranged. A dance will be given at the end of the concert.

Words for a topical song are wanted for the Glee Club. Any one caring to write verses for the song will be suitably recompensed. For particulars apply to W. O. Adams, Box 31, "Cage."

On Friday evening Mr. C. Howard Walker, of Walker & Kimball, Architects in Chief of the Exposition, will give a smoke talk at the Technology Club, illustrated by more than fifty stereopticon views, on the Trans-Mississippi Exposition at Omaha, Neb.

The annual dinner of the New England Association of Chemistry Teachers was held on last Saturday afternoon, at the United States Hotel. Mr. H. M. Goodwin, of the Institute, was the guest of the Association, and spoke on "Some Aspects of Physical Chemistry."

The Boston Society of Civil Engineers held its semi-centennial on last Saturday night at the Vendome. The members of the society in the Faculty who attended were Professors George F. Swain, Charles F. Allen, and Dwight Porter. Professor Allen is the first vice president of the organization.

The Executive Committee of the Sophomore Class has nominated J. B. Laws for class president. This nomination will be submitted to the class for its approval in the meeting on Friday, Nov. 18. In this meeting the cane rush will be discussed and another representative for the Co-operative Society elected.

A notable change has been made this year in the work of the Third-year Electrical Engineers in Mechanical Engineering Drawing. Drawings are now made of electrical apparatus, instead of ordinary machines, as formerly. Mr. Park has been able to secure from the General Electric Company two 300-ampere circuit breakers, of which the men will make detail and assembly drawings.

Capt. John Boardman, Jr., gave his first lecture on Military Science on November 12th. His method will not be the same as that of Capt. Bigelow. The subject this year will be approached from a synthetic rather than from an analytic point of view. Captain Boardman emphasized the necessity of military instruction in this country, as the old idea of territorial isolation has been superseded. The policy of expansion has created the need of a larger army and a better knowledge of military science. The course of lectures will not be printed. The first drill took place at the South Armory yesterday afternoon. The officers will be chosen by an examination, covering both theory and practice, as heretofore, and the same uniform, except, perhaps, in some minor details, will be adopted.

Dr. Paul du Chaillu, the famous African explorer, gave a very interesting and graphic description of his adventures in the African forest and jungle, at the Technology Club, on Friday evening. He particularly described the emotions of the natives at first seeing such modern inventions as clocks, and the effect of an electric current. The people believed him to be a good spirit who had come to give prosperity. His hunting stories were full of

real adventure, especially a gorilla hunt, when he killed the first one that had been slain for 2600 years, according to the history of the cannibal tribe he was then visiting. Dr. du Chaillu relieved his talk of that tediousness often felt in descriptions of adventures and exploration by a very ready wit.

### Technology Calendar.

*November 18.*—Meeting Y. M. C. A., 11 Rogers, 4.15 P. M. Meeting Sophomore Class, Huntington Hall, at 1 P. M. Chess Club Meeting, 11 Rogers, 1.30 P. M.

*November 19.*—Football, 'varsity vs. Worcester Polytechnic Institute, at Worcester. Annual Cross-country Run, leave "Gym" 3 P. M.

*November 21.*—Meeting Mining Engineering Society, 4.15 P. M., 26 Rogers; Mr. W. S. Hutchinson, '92, will speak on "Mine Management."

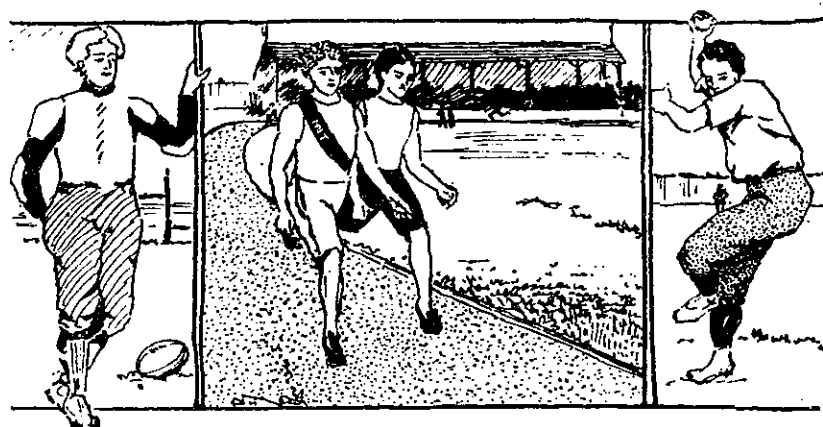
*November 22.*—Class Games and Cane Rush at South End Grounds.

### Lowell Institute.

During the winter twelve lectures on each of the following subjects will be given in the Advanced Free Course of the Lowell Institute:—

Professor Allen. The Computation of Earthwork.  
 Professor Bailey. Integral Calculus.  
 Professor Bartlett. The Adjustment of Observations by the Method of Least Squares.  
 Professor Bates. Supplementary Course in Composition.  
 Professor Burton. Navigation and Nautical Astronomy.  
 Professor Clifford. Light.  
 Professor Dippold. The New German Empire (in German).  
 Professor Gill. The Chemistry of the Essential Oils, Resins and Waxes.  
 Professor Goodwin. Exercises in Physical Measurements.  
 Professor Hofman. Metallurgy of Fuels and Refractory Materials.  
 Professor Hough. Physiology and Hygiene of the Circulation.  
 Professor Laws. Electrical Testing.  
 Professor Merrill. Mechanism and Gearing.  
 Professor Noyes. A Course in Organic Chemistry.  
 Professor Peabody. The Structure and Strength of Ships.  
 Professor Robbins. Surveying and Levelling.  
 Professor Sedgwick. The Principles of Sanitary Science and the Public Health.  
 Professor Skinner. Trigonometry and Logarithms.  
 Professor Talbot. Chemistry in some of its Applications to Daily Life.  
 Professor Tyler. Differential Calculus.  
 Professor van Daell. The Development of Prose Fiction in France from the Time of Mdlle. Scudéay (seventeenth century) (in French).

The circular giving the times and places of these lectures may be obtained at the secretary's office.



A. W. Allyn has been elected permanent captain of the 1902 Football team.

In the semi-finals in the tennis tournament, Cutter and Saylor beat Johnson and Chaffee 7-5, 2-6, 6-2. Ayer and Thatcher won the finals from Saylor and Cutter 7-5, 6-2, 6-2.

A meeting of the Executive Committee of the Athletic Association was held last Friday. It was decided to hold the cross country runs on November 19th, and the winter class games December 17th. G. P. Burch was elected to represent the Association on the Advisory Council on Athletics.

The fourth run of the Hare and Hounds took place on Saturday, November 12, at Milton. Pray, '99, and Lathrop, '01, ran hares. The trail and footing were excellent with exception of one mile of marsh in which the hounds very nearly caught the hares. Thirteen men turned out for this run.

On last Wednesday the Sophomore Football team defeated the Tufts College Second Eleven with a score of 6-0. The two teams were fairly matched, and the game was briskly played and full of interest. The touchdown was made by Arnold. The following is the line up for 1901: Horsey, r. e.; Jeffords, r. t.; Parrok, r. g.; Cross, c.; Walsh, l. g.; Eager, l. t.; Cowing, l. e.; Shepard, q. b.; Haley, r. h. b.; Arnold, l. h. b.; Fleming (Garrett), f. b.

### Technology, 6; Boston College, 0.

BOSTON COLLEGE and Tech. played at the South End Grounds last Wednesday. The game was clean and very exciting. Boston College won the toss, and chose the north goal.

Tech. kicked off forty yards. McDermott rushed back ten yards before being downed. On the first down Tech. was penalized ten yards for offside play. Hart made ten yards through left guard. A double pass fooled Tech. badly. Some more short rushes through the center brought the ball to Tech.'s 40-yard line, where Boston College was held for downs. Tech. immediately lost the ball on downs, and Boston College again returned the compliment.

Nolte punted to the center of the field. Boston College returned the punt. Tech. tried to kick again, but Kiley got through, blocked the kick, and fell on the ball. Boston College's ends-in formation seemed to puzzle Tech. They twice gained five yards through left tackle.

The ball was now on Tech.'s five-yard line, but the Tech. boys were gritty and made a pretty stand, holding Boston College's heavy line for downs.

Nolte kicked. Boston College again fooled Tech. for twenty yards on the double pass, but Morse tackled the runner so fiercely that he dropped the ball and Danforth fell on it. Nolte punted. Boston College fumbled, Maxson falling on the ball. Nolte punted again, but McDermott rushed ball back to Tech.'s 35-yard line. Boston College tried a field goal, but missed. Tech. kicked, and had just held Boston College for downs when time was called.

Boston College kicked off; Morse caught, and passed to Nolte, who was downed on the 25-yard line. Jouett made a 5-yard run, but on the next down Tech. lost the ball on a fumble. Boston College was given five yards for interference.

Now, Boston College, with her heavy

center men, and five men back of the line, was plowing down toward Tech's goal, when suddenly Jouett burst from a scrimmage with the ball. He ran the length of the field for a touchdown. Nolte kicked the goal.

Boston College kicked off. Maxson punted outside at the center of the field. On the first down Tech. lost ten yards for offside play. The ball changed hands frequently on downs and fumbles. Boston College tried a double pass with a five-yard loss. Just before time was called Boston College punted, and Morse ran the ball back twenty yards.

For Tech. the whole team played together well, but Morse and Maxson were especially good on the defensive.

The teams lined up as follows:—

BOSTON COLLEGE.				TECH.			
Riley	.	.	r. e.	.	.	Chubb	
Toohig	.	.	r. t.	.	.	Nesmith	
McCarron	.	.	r. g.	.	.	Oppenheim	
Richards	.	.	c.	.	.	Laws	
Murphy	.	.	l. g.	.	.	McDonald	
Kohen	.	.	l. t.	.	.	Danforth	
Kiley	.	.	l. e.	.	.	Stevens	
Kelley	.	.	q.	.	.	Maxson	
Hart, Maloney	.	.	r. h.	.	.	Morse	
McDermott	.	.	l. h.	.	.	Jouett	
McGrath	.	.	f. b.	.	.	Nolte	

Umpire, Campbell; referee, Locke.

Technology, 8; Tufts, 6.

TECH. played Tufts Saturday at College Hill. Wednesday's hard game seemed to have deadened the men, for in the first half Tufts put the line out of the way easily. The good defense of the backs is all that kept Tufts from scoring more than once.

Tufts kicked off. Nolte punted to the center of the field and Tufts worked the old double pass around Tech.'s right end for thirty yards. A succession of rushes through right tackle netted a touchdown in five minutes. Carpenter kicked the goal. Tufts, 6; Tech, 0.

Nolte kicked over the line, but Tufts tried to rush back. Ball down on 2-yard line. Tufts went through center for twenty yards.

Tufts backs sent at tackles for steady gains. Tufts lost the ball on a fumble on Tech's 15-yard line.

Morse made fifteen yards around left and Storer ten around right end; Chubb three through tackle. Tufts' ball on downs. Punted. Tech. punted. Tufts' ball on her 40-yard line. Ball in center when whistle blew.

Tech. put Pond in place of Chubb, who was hurt.

Tech. kicked off. Tufts punted to center of field. Tech. kicked to Tufts' 5-yard line. Tufts tried to punt, but ball was blocked by Almeida, who was shoved back by Morse. Carpenter fell on the ball for a safety. Tufts 6; Tech. 2.

Tufts punted from her 20-yard line to the center of the field. Tech. used her backs and tackles for short steady gains. Danforth was pushed over for touchdown. Nolte kicked an easy goal. Tech. 8; Tufts 6.

Tufts kicked off. Stevens carried the ball back ten yards. On the third down Tech. punted. The ball changed hands twice on downs. Tufts punted. Tech. punted. Time was called with the ball on Tufts' 15-yard line.

For Tufts the three center men and Carpenter played well.

For Tech. Nolte kicked well, and Morse broke through and tackled finely. Pond played a good game, and Maxson ran the team as usual,—excellently.

The teams lined up as follows:—

TUFTS.				TECH.			
O'Donnell	.	.	r. e.	.	.	Chubb (Pond)	
Collins	.	.	r. t.	.	.	Nesmith	
Pierce	.	.	r. g.	.	.	Oppenheim	
Gale	.	.	c.	.	.	Laws	
Bartlett	.	.	l. g.	.	.	McDonald	
Carpenter	.	.	l. t.	.	.	Danforth	
Robinson	.	.	l. e.	.	.	Stevens	
Almeida	.	.	q.	.	.	Maxson	
Eriksson	.	.	r. h.	.	.	Morse	
Ray	.	.	l. h.	.	.	Storer	
Raby	.	.	f. b.	.	.	Nolte	

Umpire, McPherson, of Harvard; referee, Locke, of Brown.



# RICHMOND

## STRAIGHT CUT

# 10<sup>s</sup>

## IN TIN BOXES

are more desirable than ever —  
the new tin box prevents their  
breaking and is convenient to  
carry in any pocket.

**For Sale Everywhere.**

## TEACHERS WANTED.

Union Teachers' Agencies  
of America.

REV. L. D. BASS, D.D., Manager.

Pittsburg, Toronto, New Orleans, New York, Washington, San Francisco, Chicago, St. Louis and Denver. There are thousands of positions to be filled. We had over 8,000 vacancies during the past season. Teachers needed now to contract for next year. Unqualified facilities for placing teachers in every part of the United States and Canada.

Principals, Superintendents, Assistants, Grade Teachers, Public, Private, Art, Music, etc., wanted. Prepares for Civil Service Examinations.

ADDRESS ALL APPLICATIONS TO:

Washington, D. C., or Pittsburg, Pa.

## Special Arrangements for Technology Students . . .



### Your Garments . . .

Sponged, pressed and repaired (small repairs) while you are at college, for **\$8.00 for the College Year . . . . .**

We call at your rooms each week for your garments, and return the same free of expense and no trouble to you.



*Telephone, Oxford 350,*

*or send postal to . . .*

**H. ALEXANDER & SON,  
149 KINGSTON STREET,  
BOSTON.**

Opposite United States Hotel.

BOXES FURNISHED  
FOR YOUR GARMENTS.

**WILLIAMS BROS.,**

Importing  
Tailors.

Prices Moderate.

Fur-Lined Coats  
a Specialty.

1458 Washington St., Boston.

**C. F. HOVEY & CO.,**

FULL LINES OF

**Gentlemen's Furnishing Goods.**

Fine Custom-Made Shirts  
a Specialty.

No. 33 Summer St., and 42 Avon St.,  
BOSTON.

"THE GIRLS ARE FOND OF THESE."



**TECH. EMBLEMS.**

Greatest variety.  
Lowest prices.

**BENT & BUSH,**

387 WASHINGTON ST., BOSTON.

**CHARLES H. HITCHCOCK,**

Apothecary,

No. 150 HUNTINGTON AVENUE,

Corner West Newton Street,

BOSTON, MASS.

**L. P. HOLLANDER & CO.,**

**Makers of Fine Ready-Made Clothing.**

Sack Suits	.	.	from \$20.00 upward.
Covert Coats	.	.	" 20.00 "
Heavy Winter Overcoats	.	.	" 25.00 "
Tuxedo, and Dress Suits	.	.	" 35.00 "
Fancy Waistcoats	.	.	" 4.50 "
Mackintoshes	.	.	" 5.50 "

**HATS AND CAPS. FURNISHING GOODS.**

We allow ten per cent discount to Members of the Co-operative Society.

202 to 212 Boylston Street, opposite Public Garden.

### Prizes for Point Winners.

To encourage the men, a member of the Athletic Association offers two cups—one for the man who wins the most points in the weights and the other to the one who wins the most points in the remaining events. The following are the rules for the competition:—

The weights include the 16lb. shot, 16lb. hammer, and the discus. The meets in which the above events count are the Winter and Spring Class Games, the Worcester Intercollegiate, and any other meet that Tech. may enter. The hammer throw in the last Fall Games is also included, as that was a scratch event.

The meets in which the events for the other prize count are the Spring Class Games, the Worcester meet, and any other intercollegiate meet that Tech. may enter. The meets in both cases are to be only of this school year.

Points are to score as follows: Places won in class games count regular value, in Worcester meet twice their usual value, and in a dual or other collegiate meet other than Worcester half again as much as the usual value. The winner of either prize must win a place at Worcester or against another college unless he wins twice as many points as the man with the highest score who has won such a place. All points of dispute will be decided by the Advisory Council.

### Resolutions by 1902.

A meeting of the Class of '02 was called on November 12th, to take action on the rush of Monday, October 31st. The following resolution was passed unanimously:—

“We, the Class of '02, resolve to take no part in any future rush within the premises of the Institute.”

A motion was also passed to send the resolution to President Crafts, as a pledge. W. P. Harris was elected to the Cane-rush Committee, H. T. Winchester having resigned on account of sickness.



'78. Mr. Frederick H. Prentiss, Course II., is the president of the Buckeye Electric Co., of Chicago.

'79. Mr. R. M. Hosea, Course I., is chief engineer of the Colorado Fuel and Iron Co., of Denver.

'81. Mr. David S. Bissell, Course III., is president of the Du Quesne Forge Co. of Pittsburgh, and also of the firm of Chase & Bissell, chemists, of Versailles, Pa.

'91. Mr. Solomon H. Stix, Course IV., is at present with a firm engaged in the manufacture of knitted goods in Chicago.

'92. Mr. Chas. B. Grimes, Course V., is now the factory superintendent of the Carter's Ink Co. He is stationed at Chicago.

'95. Mr. Robt. D. Flood is in the fire insurance business in Chicago temporarily.

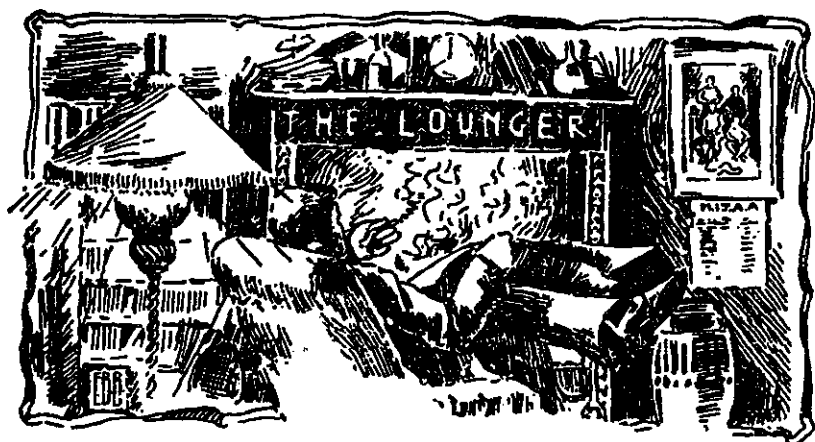
'96. W. M. Cabot, of Heath Street, Brookline, is making an extensive stay in Japan after spending some months on the continent of Europe.

'98. Mr. S. M. Jones, VII., is attending the College of Physicians and Surgeons, the medical department of Columbia University, in New York City.

'98. Mr. W. H. Hubbard, XI., is an engineer on the new sewerage system under construction at Concord, Mass.

'98. Mr. Alvan L. Davis is assistant superintendent of the works of the American Steel Casting Co., Alliance, Ohio.

'99. A. Loring Swasey, Course XIII., who is in the Newport News Navy Yard Drafting Department, was at the Institute last week.



IN view of the generally accepted fact that the pleasures of anticipation are, as a rule, more joyful than those of realization, the Lounger feels in no way inclined to bewail the exigencies of modern journalism, in accordance with which he has been obliged to prepare his soul for thankfulness and his inner man for the joys which the artistic editor has so ably suggested on the cover a full seven days in advance. Nor is it necessary to seek a great ways for objects requiring thanks. Has not the Freshman Class at last succeeded in electing officers? True, there were several hundred more votes than there are members of the Class; but that is a mere detail. Again, are we not to have numerous improvements at the gymnasium as soon as the Busy Bursar can find time to attend to them? But, far more important than these, has not our Football team won more games than any previous one, and did not the Sophomores leave a few things in Rogers unbroken during the recent rush? With these suggestions, the Lounger trusts that each and every man will be able to pick out enough other topics to occupy his entire time during the three days of intermission, and he also hopes that each, with a clear conscience and good digestion, may do full honor to the glorious New England Festival.

In perusing the work of his friend, the editorial writer, last week (an occupation never without interest), the Lounger was greatly amused to note the subtle wit and gentle sarcasm which showed itself in the illustration of a commendatory article upon the improved condition of the Engineering Alley with a cut of a particularly watery street in Venice. In view of the fact, however, that the entire noted improvement has been made in a part of the thoroughfare about which there has never been the slightest complaint, and, further, that the article appeared on a notably rainy day, the cut in question seemed, to the Lounger's mind, most startlingly appropriate.

One afternoon, not long since, while the Lounger was indulging in a comfortable doze in his own particular corner of THE TECH office, his slumbers were rudely interrupted by a continual stream of men who all inquired for the business manager. Indeed, it seemed as though the whole Institute had suddenly awakened to a sense of the importance of that gentleman. Thinking, of course, that they had all come to pay subscriptions, the Lounger very modestly hinted that in the absence of his colleague he would be greatly pleased to receive them himself. All, however, hastened to deny any such intention; and, so concluding that another assistant had been advertised for, the Lounger gave up all ideas of any further rest. Unfortunately it was not until several hours later,—when he had occasion to go near the cage,—that the Lounger discovered a very seductive notice, inviting all students who wished to make from three to five dollars per day without interfering with their studies, to call upon the business manager of THE TECH. For the benefit of all concerned, the Lounger deems it only fair to say that the emolument referred to was not to be earned by getting “ads” for THE TECH on commission, but in some other affairs of the business manager's, more or less intimately connected therewith, regarding patent clothes presses and fountain pens.

An opportunity to distinguish one's friends is an occasion which should be hailed with joy, and it is rare indeed that one so good is afforded, as that the Lounger was called upon to notice at a recent Freshman class meeting. The election of a cane-rush committee was the matter in hand, and interest and enthusiasm ran high. There was no paltry two or three candidates, as the upper classmen are wont to have on such occasions, but nomination after nomination was handed in, and the blackboard soon contained a long list of names. But now a difficulty is found. How can a proper selection be made, when none of the aspiring candidates are generally known? A suggestion from a rising young statesman soon settles this, however, and the men in question line up on the platform, facing the class in the order of their names, while a rising vote is taken upon each in turn. A brilliant scheme, forsooth, but can we imagine the feelings of the unsuccessful candidates as they watched the men who voted or rather did not vote for them? Truly, the Lounger fears there will be many a case of wounded vanity, and many a budding Freshman friendship has been rudely chilled by an untimely frost.

# TURNER, TAILOR,

252 Boylston St.

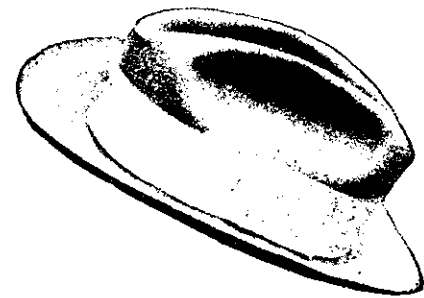
DISCOUNTS TO TECH. STUDENTS

Winter Opening.

## HALL & HANCOCK,

Novelties in

Soft  
Hats...



Canes, Umbrellas,  
Hat Cases and Gloves.

407 WASHINGTON STREET.

MEMBERS OF THE CO-OP.

## Students Will Find SUPERIOR

Drafting Instruments,  
Drawing and Blue Process Papers,  
Scales, Triangles, Curves,  
T Squares, Colors, etc.,

AT THE MANUFACTURERS.

**Wadsworth, Howland & Co.,**  
INCORPORATED,

218 CLARENDON STREET.

Main Office: 82 & 84 Washington St., Boston.

Factories: Malden, Mass.

SPECIAL RATES TO STUDENTS.

## F. BURBANK & CO.,

EXPERT

Stenographers and Typewritists,

ROOM 608 TREMONT BUILDING,  
73 TREMONT STREET, BOSTON.

Telephone, Haymarket 1399-3.

Shorthand Dictation.  
Dictation direct to Machine.  
Copying.  
Mimeographing.

*Kiehl's*

146 Tremont Street, Boston.  
Delicious  
Bon-Bons and Chocolates.

## New Tech Pin.

**HENRY GUILD & SON**

Have the best Tech Pin yet for 75 cents; also a combination of gold and silver for \$1.00, and Solid Gold at \$2.50. For sale at the Institute and

433 Washington St., Boston.

## WRIGHT & DITSON, FINE ATHLETIC GOODS.

EVERY REQUISITE FOR

FOOT BALL,  
HOCKEY,  
SKATING,

BASKET BALL,  
PHOTOGRAPHY,  
and the GYMNASIUM.

**TETHER BALL**

A new game, invented by Mr. Lehmann, of Oxford College, England.

Catalogues, Samples, etc., sent Postpaid to any Address.  
Mail Orders given prompt and careful attention.

**WRIGHT & DITSON,**

344 Washington Street, • • BOSTON, MASS.

All Goods Required by  
Students at

**• MACLACHLAN'S •**

214 CLARENDON STREET.

Drawing Instruments and Materials, etc.  
Fountain Pens, Text-Books.

## Priest's • DINING ROOMS •

No. 102 Dartmouth Street.

### • PRICES •

Full Ticket, 21 Meals . . . . .	\$4.00
Breakfast and Dinner, 14 Meals . . . . .	3.00
Breakfast, 7 Meals . . . . .	1.50
Mid-day Dinner, 7 Meals . . . . .	1.00
Dinner, 7 Meals . . . . .	1.50

**GEO. H. GREENWOOD,**

9-11 Boylston Street.

Fine Briar and  
Meerschaum Pipes,  
and  
Smokers' Articles.

## THE BRUNSWICK,

**BOSTON.**

Boylston and Clarendon Streets,  
(Adjoining Copley Square)

Near the Museum of Fine Arts,  
New Public Library, New Old  
South Church, and opposite  
Trinity (Phillips Brooks')  
Church, and Institute  
of Technology.

**KEPT ON BOTH AMERICAN AND  
EUROPEAN PLANS.**

**BARNES & DUNKLEE, Proprietors**  
H. H. BARNES, Manager.





UMBRELLAS.

## \*FURS AND HATS.\*

GEO. L. GRIFFIN &amp; SON,

Next door to Macullar, Parker &amp; Co.

404 Washington Street, Boston.

Correct Styles in Gentlemen's Hats.

HAT BOXES.

## The Dartmouth Laundry

SATISFACTION  
GUARANTEEDSEND US A  
POSTAL CARD.

STUDENTS' WORK A SPECIALTY.

DISCOUNT TO MEMBERS  
CO-OPERATIVE SOCIETY.WORK CALLED FOR  
AND DELIVERED.

721 Tremont Street.

TWO DOORS FROM CONCORD SQ.

GEO. M. CARRUTHERS, Agent.



Week commencing November 21, 1898.

**Boston Theatre.**—An old favorite, Mr. James Herne, returns to Boston for a brief engagement, presenting his successful play, "Shore Acres." His daughter, Miss Julie Herne, is in the support.

**Castle Square Theatre.**—Augustin Daly's version of "Divorce" will have its first production at this theatre. This drama has not had a presentation in Boston for several years.

**Hollis Street Theatre.**—The Empire Theatre Stock Company will present for the first time in Boston the New York success, "The Conquerors." Miss Jessie Millward and William Faversham head the cast.

**Tremont Theatre.**—Mr. De Wolf Hopper presents for the first time in this city his latest operatic success, "The Charlatan." The opera is by Sousa and Klein, the authors of "El Capitan." Nella Bergen, Alfred Klein, and Arthur Cunningham are in the support.

**Park Theatre.**—Miss Anna Held will continue her success as "Susette" in "A French Maid." She is ably supported by Charles Bigelow and a reliable company. This will be the last week of the engagement.

**Boston Museum.**—Mr. Andrew Mack, the singing comedian, produces for the first time in this city a new play, entitled "The Ragged Earl," a romantic comedy drama. Mr. Mack takes the part of a daring young Irish nobleman, fond of good living, yet honest, manly and open-hearted withal.

DISCOUNT of  
10%  
GIVEN TO  
TECH. Students.

GOES & STODDER  
GENTLEMEN'S IMPORTED  
AND DOMESTIC  
SHOES

PRICES  
4.00 TO 9.0014. SCHOOL ST. AND  
78. BOYLSTON ST. BOSTON.English factory at Long Buckby  
near Rugby, Northamptonshire, England.

# THE Union Gymnasium

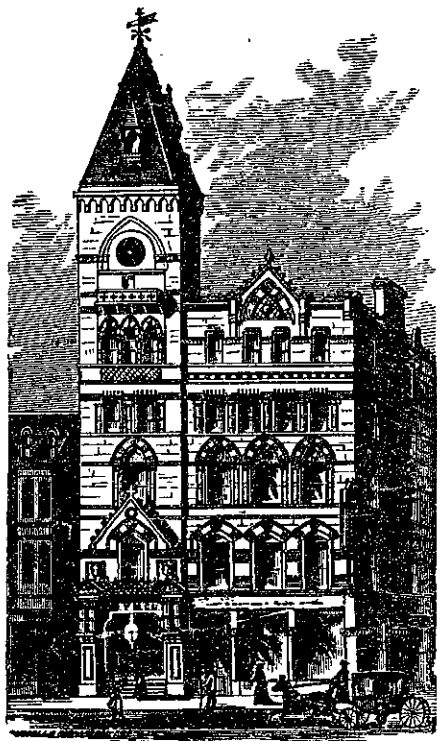
48 BOYLSTON ST. (near Tremont).

PRACTICAL.

Complete  
Modern  
Apparatus.

Popular  
Classes.

Terms,  
\$5 and \$8  
per Year.



POPULAR.

Extra  
Large  
Lockers.

Competent  
Instructors.

No Extra  
Charge  
for Instruction

BOSTON YOUNG MEN'S CHRISTIAN UNION.

WM. H. BALDWIN, Pres.

GEORGE PEIRCE, Sec'y

Always Reliable

## HORACE PARTRIDGE & CO., Athletic Outfitters.

Our goods are calculated to afford the utmost comfort and pleasure in every line of recreation.

Football. Baseball. Tennis.

Sweaters, Jerseys, Skating Outfits, and everything for health and sport. Prices special to TECH. STUDENTS.

HORACE PARTRIDGE & CO.,  
55 and 57 Hanover Street, - Boston, Mass.

W. PRESTON HEALE,

361 A Columbus Ave.,

Jeweler.

Watches Repaired.



Buy your Waterman of

**C. M. LEWIS, '99, III.** (1).

Complete line always on hand.

# SEA GRILL.

The first place of the kind in America. Only that which lives in the Sea.

## Fish, Clams, Oysters and Lobsters.

Cooked and served as they never were in  
Hotel or Restaurant in Boston.

216 BOYLSTON ST., running through to 54 PARK SQ.

**O'BRIEN BROS.,** Proprietors.

Will open Monday, Nov. 21st.

**TO STUDENTS:**



Are you fully aware that you can furnish your rooms from

## HOUGHTON & DUTTON'S

For less money than from any other house in Boston?  
We give you below a very few hints; run them down  
and convince yourselves of the truthfulness of our claim.

### FURNITURE.

White Enameled Beds, Brass Trimmings, etc.	\$2.75 to \$17.98
Mattresses in great variety	1.50 " 18.98
All-Feather Pillows	.97 " 5.00
Bed Springs	1.25 " 6.98
Chamber Suites, various woods and styles	9.98 upward.
Chiffonniers	3.97 " 19.98
Rockers, plush and rattan, every style	1.47 " 19.98
Lounges and Couches, every style	4.98 upward.
Chiffonnier Beds, with mattresses and springs,	14.98 "

### RUGS.

#### CARPET SIZES.

Afghan Smyrna,	6 x 9 feet	\$5.48
" "	7½ x 10½ "	7.98
" "	9 x 12 "	10.98
Wool Smyrna,	6 x 9 "	9.48
" "	7½ x 10½ "	14.98
" "	9 x 12 "	20.98
Fine Axminster,	4½ x 6½ "	7.48
" "	6 x 9 "	14.78
" "	7½ x 10½ "	24.48
" "	9 x 12 "	26.98

STUDENT LAMPS.—The nickel-plated "PERFECTION," the best and most popular Lamp for study or reading, \$2.78  
DECORATED CHINA CUSPIDORS . . . . . 39 cents to \$4.98

### UPHOLSTERY.



THIS you will find an admirably equipped and conducted department. CURTAINS and  
DRAPERIES of all kinds, SOFA PILLOWS, etc., always at BOTTOM PRICES.  
SPECIAL ORDERS executed by skillful workmen, measurements and estimates being  
made FREE OF CHARGE on orders either large or small.

## THE Henry F. Miller PIANOS

Are built for buyers who consider quality more than price.

PIANOS FOR RENT.

Warerooms, 88 BOYLSTON STREET.

President,  
T. E. TALLMAGE, '98.

Vice Pres. and Bus. Mangr.,  
G. C. WINSLOW, '99.

## M. I. T. CO-OPERATIVE SOCIETY.

Managed by students of M. I. T.

Proceeds devoted to scholarships.

### The Co-operative Supply Rooms

Handle a full line of Drawing Materials and Text-Books  
at low prices.

A CO-OPERATIVE SOCIETY MEMBERSHIP TICKET entitles the owner to discounts on goods bought from any of the tradesmen in the Society's Handbook.

**E. O. SABINE,**  
Ladies' and Gents' Dining Room  
21 MEAL TICKET, \$5.00.  
Nos. 202 and 204 Dartmouth Street.

**B. BERNSTEIN,**  
Hairdressing Room,  
368 Columbus Avenue,  
BOSTON.

**Scientific Books** } DAMRELL & UPHAM,  
The Old Corner Bookstore,  
288 Washington St., Boston.



# A. H. MATZ & CO.,

## Merchant Tailors,

347 Columbus Ave.

It will give you pleasure to inspect our  
VERY ATTRACTIVE LINE of seasonable  
goods. LONDON NOVELTIES and DO-  
MESTIC FABRICS.

We have had marked success in pleas-  
ing students, and hope new men will  
make our acquaintance.



Cleaning, Pressing and Repairing done by expert  
workmen.

Pressing by the month, three dollars. Called for  
and delivered free of charge.



# J. C. LITTLEFIELD,

## Tailor and Outfitter,

21, 23 Beacon Street,  
Boston.

I can offer you a larger and more complete assortment  
than can be seen elsewhere, and at lower prices for the  
same qualities. Look in and examine my prices before  
placing your order.

Golf Breeches, Riding Breeches, and Dress  
Suits a Specialty.

DISCOUNT TO STUDENTS.

# Obey M. Peters,

## Tailor,

231 Berkeley St., cor. of Boylston.

We like to call your attention to our  
Specialty of Pressing and Repairing.



Class and Monogram Pipes Our Specialty.

*Elmer Chickering,*

The Leading Photographer.

21 WEST STREET, BOSTON.

SPECIAL RATES TO M. I. T. STUDENTS.

\*\*\*\*

Class Rate 1898-99.

Crown Photograph — Carbonette Finish . .  
FIRST DOZEN, \$3.00 \* ADDITIONAL DOZENS AT \$2.00  
FOUR DOZEN (50) PICTURES ORDERED AT ONE TIME, \$8.00  
EIGHT DOZEN (100) PICTURES ORDERED AT ONE TIME, \$12.00  
With each lot of four dozen two finished proofs allowed.  
With each lot of eight dozen four finished proofs allowed.  
Each extra position finished for fifty cents each . . .  
Ten extra pictures given free with every order for 50 . . .  
Fifteen extra pictures given free with every order for 100.

